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ATGGCGGCGG	CCGT CCTGCT	GGGACTGAGC	TGGCTCTGCT	CTCCCCTGGG	AGCTCTGGTC	60
CTGGACTTCA	ACAACATCAG	GAGCTCTGCT	GACCTGCTTG	GGGCCCGGAA	GGGCTCACAG	120
TGCCTGTCTG	ACACAGACTG	CAATACCAGA	AAGTTCTGCC	TCCAGTCCC	CAATGAGAAG	180
CCGTTCTGTG	CTACATGTCG	TGGGTTGCAG	AGGAGGTGCC	AGCGAGATGC	CATGTGCTGC	240
CCTGGGACAC	TCTGCATGAA	TGATGTTGT	ACTACGATGG	AAGACGCAAC	CCCAAAATTG	300
GAAAGGCAGC	TTGATGAGCA	AGATGGCACA	CATGCAGAAG	TAACAACCTGG	GCACCCAGTC	360
CAGGAAAACC	AACCCAAGAG	GAAGCCAAGT	ATTAAGAAAT	CACAAGGCAG	GAAGGGACAA	420
GAGGGAGAAA	GTTGTCTGAG	AACTTTGAC	TGTGGCCCTG	GACTTTGCTG	TGCTCGTCAT	480
TTTTGGACGA	AAATTTGTA	GCCAGTCCTT	TTGGAGGGAC	AGGTCTGCTC	CAGGAGAGGG	540
CATAAAGACA	CTGCTCAAGC	TCCAGAAATC	TTCCAGCGTT	GCGACTGTGG	CCCCGGACTA	600
CTGTGTCGAA	GCCAACTGAC	CAGCAATCAG	CAGCATGCAC	GGTTACGAGT	ATGCCAAAAA	660
ATAGAAAAGC	TATAA					675

FIG. 1

1 MAAVLLGLS WLCSPLGALV LDFNNIRSSA DLLGARKGSQ CLSDTDCNTR KFCLQSHNEK
 61 PFCATCRGLQ RRCQRDAMCC PGTLCMNDVC TTMEDATPKL ERQLDEQDGT HAEVTTGHPV
 121 QENQPKRKPS IKKSQGRKGQ EGESCLRTFD CGPGLCCARH FWTKICKPVL LEGQVCSRRG
 181 HKDTAQAPEI FQRCDCGPGL LCRSQLTSNQ QHARLRVCQK IEKL

FIG. 2

Human_Dkk-4(AF177397)	1	Cyno_Dickkopf-4	50
	
Human_Dkk-4(AF177397)	51	Cyno_Dickkopf-4	100
	
Human_Dkk-4(AF177397)	101	Cyno_Dickkopf-4	150
	
Human_Dkk-4(AF177397)	151	Cyno_Dickkopf-4	200
	
Human_Dkk-4(AF177397)	201	Cyno_Dickkopf-4	250
	
Human_Dkk-4(AF177397)	251	Cyno_Dickkopf-4	300
	
Human_Dkk-4(AF177397)	301	Cyno_Dickkopf-4	350
	
Human_Dkk-4(AF177397)	351	Cyno_Dickkopf-4	400
	
Human_Dkk-4(AF177397)	401	Cyno_Dickkopf-4	450
	
Human_Dkk-4(AF177397)	451	Cyno_Dickkopf-4	500
	

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501 550
Human_Dkk-4(AF177397) GCCAAGTATT AAGAAATCAC AAGGCAGGAA GGGACAAGAG GGAGAAAGTT
Cyno_Dickkopf-4 GCCAAGTATT AAGAAATCAC AAGGCAGGAA GGGACAAGAG GGAGAAAGTT

551 600
Human_Dkk-4(AF177397) GTCTGAGAAC TTTTGACTGT GGCCCTGGAC TTTGCTGTGC TCGTCATT
Cyno_Dickkopf-4 GTCTGAGAAC TTTTGACTGT GGCCCTGGAC TTTGCTGTGC TCGTCATT

601 650
Human_Dkk-4(AF177397) TGGACGAAAAA TTTGTAAGCC AGTCCTTTG GAGGGACAGG TCTGCTCCAG
Cyno_Dickkopf-4 TGGACGAAAAA TTTGTAAGCC AGTCCTTTG GAGGGACAGG TCTGCTCCAG

651 700
Human_Dkk-4(AF177397) AAGAGGGCAT AAAGACACTG CTCAAGCTCC AGAAATCTTC CAGCGTTGCG
Cyno_Dickkopf-4 GAGAGGGCAT AAAGACACTG CTCAAGCTCC AGAAATCTTC CAGCGTTGCG

701 750
Human_Dkk-4(AF177397) ACTGTGGCCC TGGACTACTG TGTCGAAGCC AATTGACCAG CAATCGGCAG
Cyno-Dickkopf-4 ACTGTGGCCC CGGACTACTG TGTCGAAGCC AACTGACCAG CAATCAGCAG

751 800
Human_Dkk-4(AF177397) CATGCTCGAT TAAGAGTATG CCAAAAAATA GAAAAGCTAT AAATATTCA
Cyno_Dickkopf-4 CATGCACGGT TACGAGTATG CCAAAAAATA GAAAAGCTAT AA

801 841
Human_Dkk-4(AF177397) AAATAAAGAA GAATCCACAT TGCAAAAAAA AAAAAAAA A
Cyno_Dickkopf-4

FIG.3B

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Cyno_Dickkopf-4 MAAAVLLGLS WLCSPLGALV LDFNNIRSSA DLLGARKGSQ CLSDTDCNTR
Human_Dkk4 MVAAVLLGLS WLCSPLGALV LDFNNIRSSA DLHGARKGSQ CLSDTDCNTR
Mouse_DKK4 MVLVTLLGLS WFCSPLAALV LDFNNIKSSA DVQGAGKGSL CASDRDCSEG

51 100
Cyno_Dickkopf-4 KFCLQSHNEK PFCATCRGLQ RRCQRDAMCC PGTLCMNDVC TTMEDATPKL
Human_Dkk4 KFCLQPRDEK PFCATCRGLR RRCQRDAMCC PGTLCVNDVC TTMEDATPIL
Mouse_DKK4 KFCLAFHDER SFCATCRRVR RRCQRSAVCC PGTVCVNDVC TAVEDTRPV

101 150
Cyno_Dickkopf-4 ERQLDEQDGT HAEVTTGHPV QENQPKRKPS IKKSQGRKGQ EGESCLRTFD
Human_Dkk4 ERQLDEQDGT HAEGTTGHPV QENQPKRKPS IKKSQGRKGQ EGESCLRTFD
Mouse_DKK4 DRNTDGQDGA YAEGTTKWP A EENRPQGKPS TKKSQSSKGQ EGESCLRTSD

151 200
Cyno_Dickkopf-4 CGPGLCCARH FWTKICKPVL LEGQVCSRRG HKDTAQAPEI FQRCDCGPL
Human_Dkk4 CGPGLCCARH FWTKICKPVL LEGQVCSRRG HKDTAQAPEI FQRCDCGPL
Mouse_DKK4 CGPGLCCARH FWTKICKPVL REGQVCSRRG HKDTAQAPEI FQRCDCGPL

201 224
Cyno_Dickkopf-4 LCRSQQLTSNQ QHARLRVCQK IEKL
Human_Dkk4 LCRSQQLTSNR QHARLRVCQK IEKL
Mouse_DKK4 TCRSQVTSNR QHSRLRVCQR I...

FIG.4

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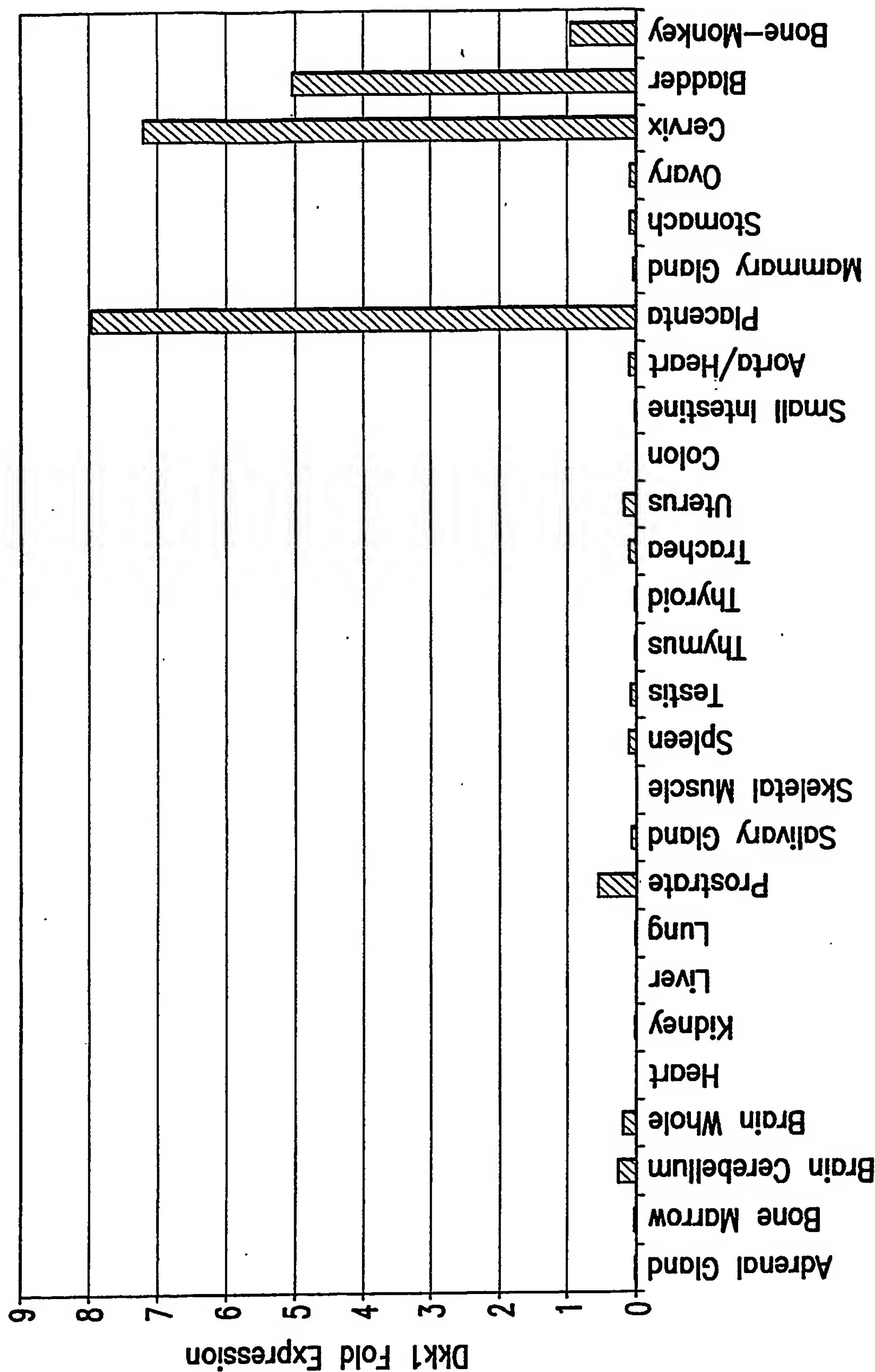


FIG. 5

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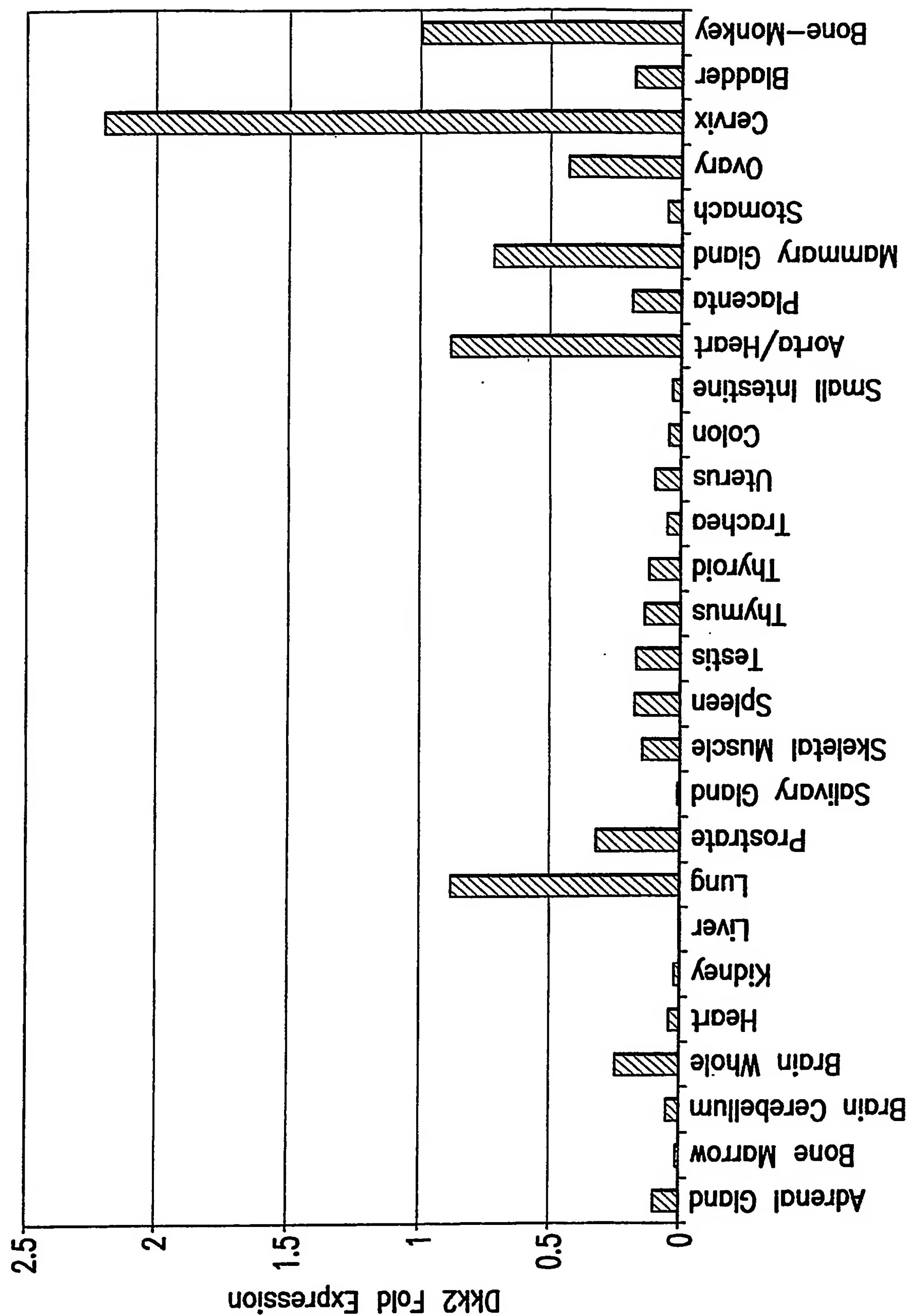


FIG. 6

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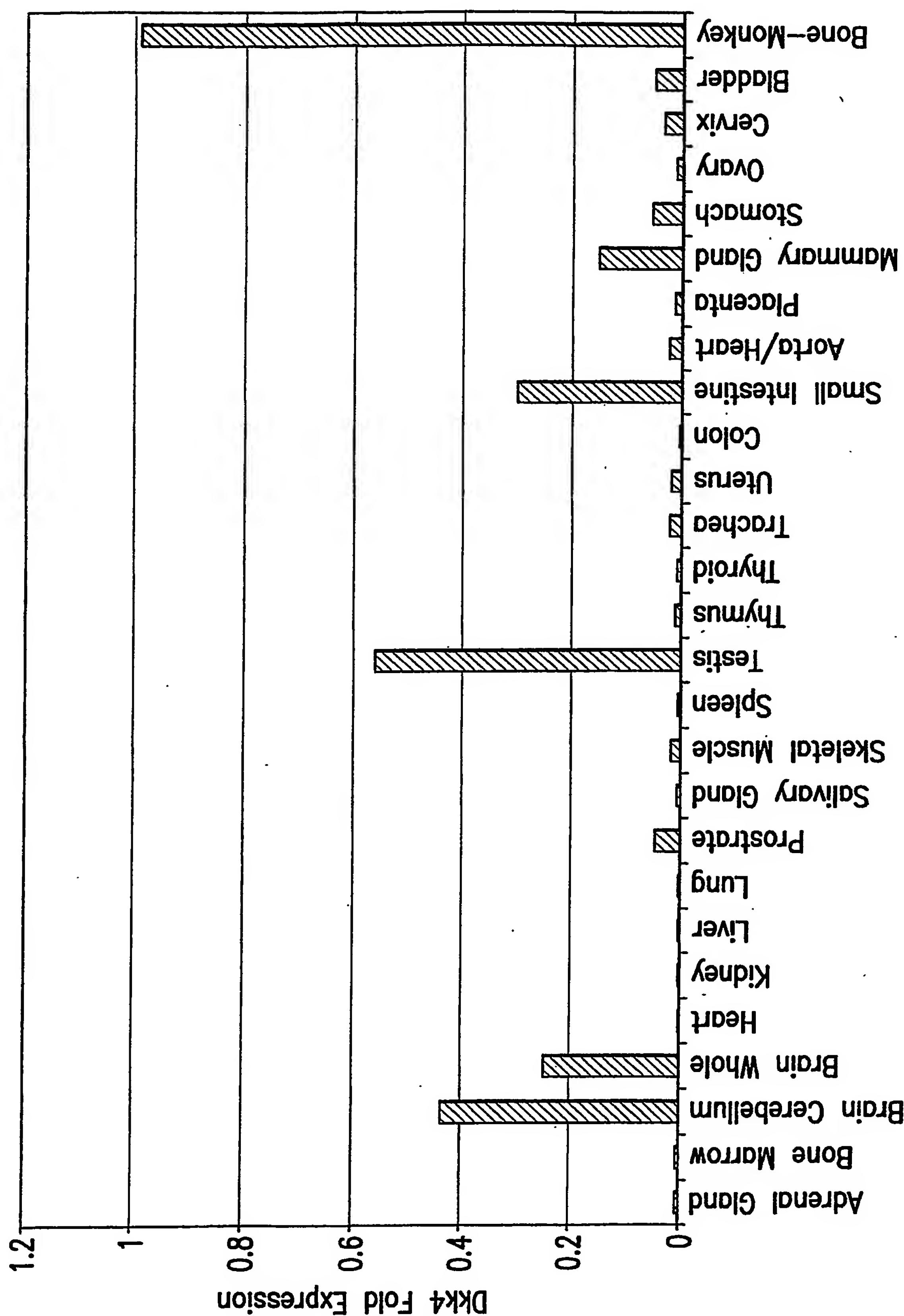
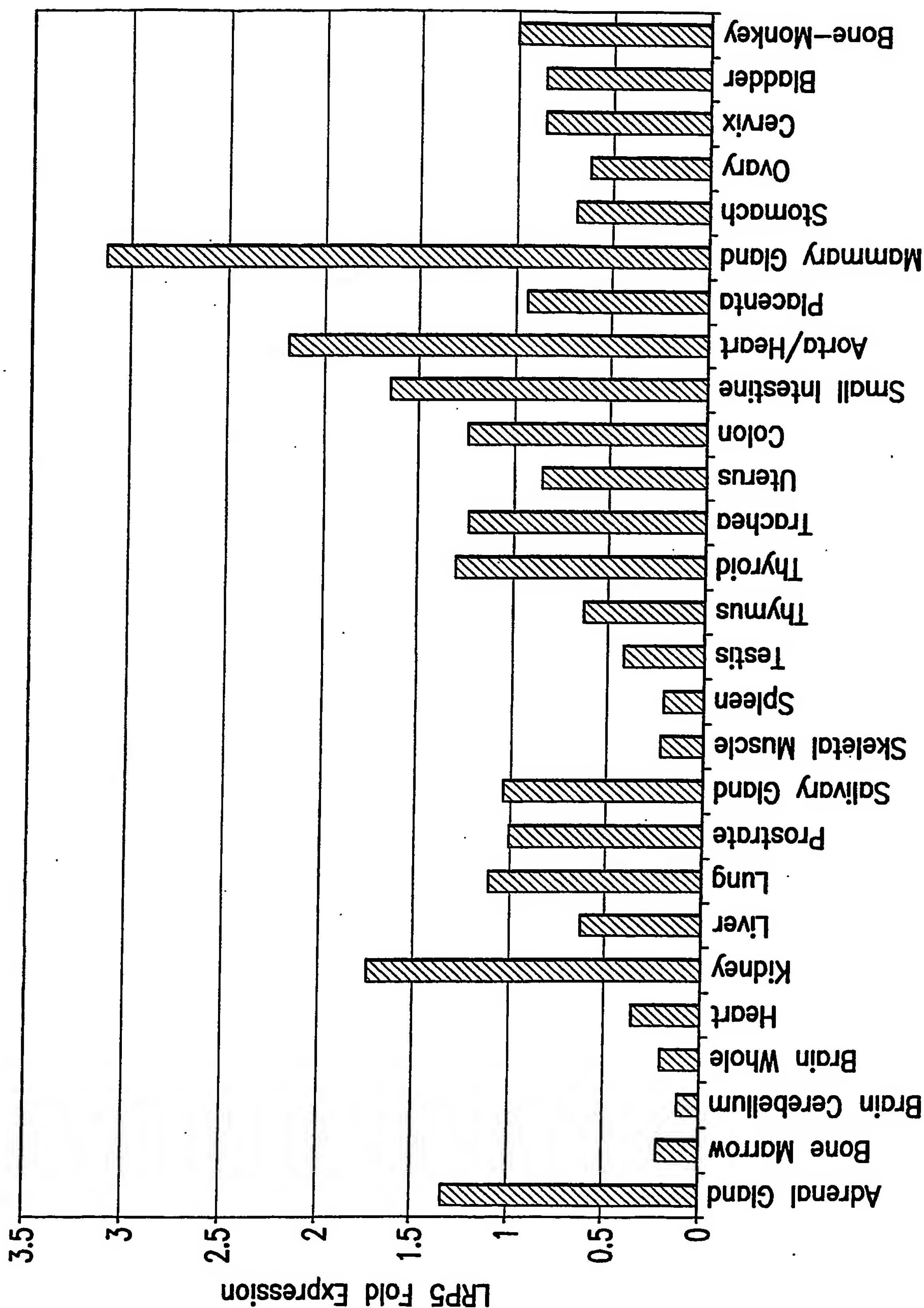


FIG. 7

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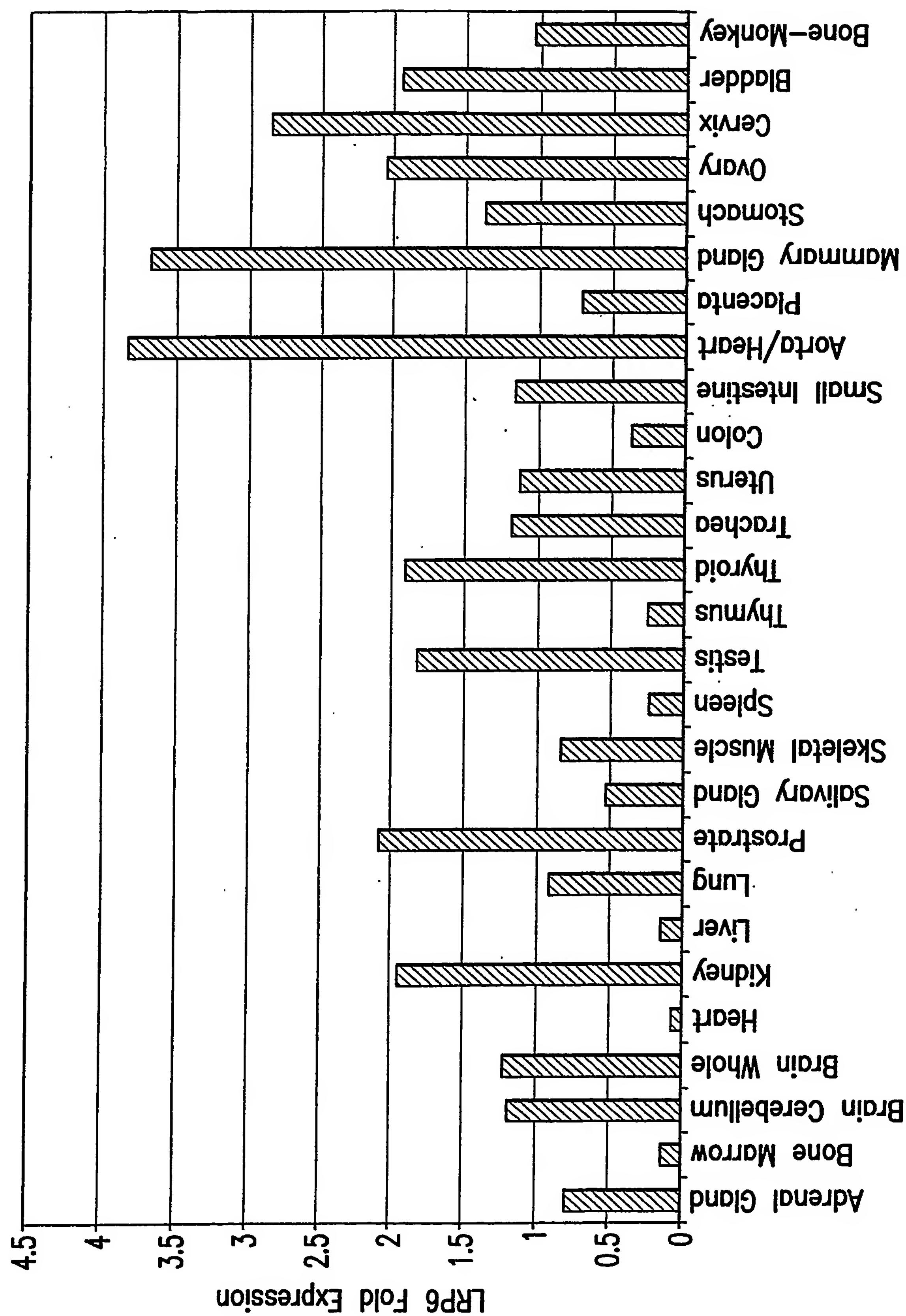


FIG. 9